

SYSTEM AND METHOD FOR FACILITATING EDITING OF CODES SUCH AS HTML AND XML CODES BY SCRIPTS

ABSTRACT OF THE DISCLOSURE

5 A system and method for facilitating examining and/or editing of tag-based code
such as HTML and XML codes by scripts are disclosed. The method for reformatting a
tag-based code containing at least one corresponding beginning and end tag pair
generally includes locating each beginning and end tag of the tag-based code, separating
distinct tags and data associated therewith into separate lines, maintaining a tag structure
10 state machine for determining a tag structure corresponding to each line, and delineating
each line with a representation of a tag structure corresponding to the line based on the
state-machine of the tag structure. The tag structure state machine may be a LIFO tag
stack into which each beginning tag is inserted upon locating the beginning tag and
removed upon locating a corresponding end tag. The delineating may be in the form of a
15 prefix. The separating of distinct tags and data associated therewith into separate lines
may generally include placing each beginning tag and any data associated therewith prior
to a next beginning tag, if any, on a new line, placing each end tag on a same line as any
data associated therewith immediate before the end tag, and initiating a new line each
time an end tag is processed if the end of the file is not yet reached.